Supplemental Table 1. Regression analysis of composite outcome for fully adjusted, partially adjusted, and unadjusted cohorts.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Fully Adjusted** |  | **Partially Adjusted** |  | **Unadjusted** |
|   |   | **Odds Ratio** | ***p* value** |  | **Odds Ratio** | ***p* value** |  | **Odds Ratio** | ***p* value** |
|  |  |  |  |  |  |  |  |  |  |
| Vaccination Category |  |  |  |  |  |  |  |  |
|  | Boosted | Reference | Reference |  | Reference | Reference |  | Reference | Reference |
|  | Unvaccinated | 1.25 | 0.032 |  | 1.20 | 0.075 |  | 1.11 | 0.314 |
|  | Vaccinated | 1.00 | 0.991 |  | 0.99 | 0.943 |  | 0.98 | 0.798 |
|  | Bivalent boosted | 0.62 | 0.071 |  | 0.62 | 0.072 |  | 0.63 | 0.083 |
| Age | 1.00 | 0.024 |  | 1.00 | 0.036 |  |  |  |
| Elixhauser score | 1.02 | 0.010 |  | 1.03 | <0.001 |  |  |  |
| Sex |  |  |  |  |  |  |  |  |
|  | Female | Reference | Reference |  |  |  |  |  |  |
|  | Male | 1.34 | <0.001 |  |  |  |  |  |  |
| Race |  |  |  |  |  |  |  |  |
|  | Black or African American | Reference | Reference |  |  |  |  |  |  |
|  | White or Caucasian | 1.14 | 0.095 |  |  |  |  |  |  |
|  | Other | 1.38 | 0.027 |  |  |  |  |  |  |
| Pre-existing end stage renal disease |  |  |  |  |  |  |  |  |
|  | No | Reference | Reference |  |  |  |  |  |  |
|  | Yes | 1.18 | 0.209 |  |  |  |  |  |  |
| Immunocompromised |  |  |  |  |  |  |  |  |
|  | No | Reference | Reference |  |  |  |  |  |  |
|   | Yes | 1.26 | 0.005 |   |   |   |   |   |   |

Odds ratio and *p* value of variables based on logistic regression models. Fully adjusted model controls for all variables, partially adjusted model controls for vaccination category, age, and Elixhauser score, and unadjusted model does not control for any covariate.